

**California Regional Water Quality Control Board  
Santa Ana Region**

**RESOLUTION NO. R8-2009-0062**

Approval of Revisions to the 2008 Integrated Report of Federal Clean Water Act (CWA)  
Section 305(b) and Section 303(d) List of Water Quality Limited Segments

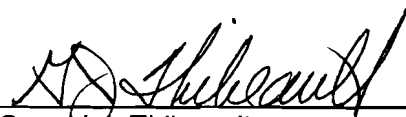
**WHEREAS**, the California Regional Water Quality Control Board, Santa Ana Region (hereinafter Water Board), finds that:

1. On April 24, 2009 the Water Board approved the Santa Ana Region's Integrated Report consisting of updates to the 2006 Clean Water Act section 303 (d) List of Impaired Waters (Resolution No. R8-2009-0032);
2. Upon transmittal of the approved Santa Ana Region Integrated Report to the State Board, State Board staff identified the need to consider additional modifications to the Integrated Report, the Integrated Report database (CALWQA database) and to the 303(d) List of Impaired Waters;
3. Water Board staff made the requested clarifications to the CALWQA database;
4. Water Board staff reviewed additional data to support modifications to the 303(d) List of Impaired Waters;
5. Water Board staff developed written responses to all public comments received and revised the Integrated Report, including the proposed 303(d) List, as appropriate; and
6. On October 23, 2009, the Water Board held a Public Hearing to consider the revisions to the Integrated Report, including additional revisions to the 303(d) List. Notice of the Public Hearing, dated September 8, 2009, was given to all interested persons and published in accordance with 40 CFR 132.20(h).

**THEREFORE, BE IT RESOLVED THAT:**

1. The Water Board, in fulfillment of the requirements described in Clean Water Act section 305(b) and Clean Water Act section 303(d), hereby approves the necessary revisions to the Integrated Report, including updates to the 303(d) List of Impaired Waters and TMDL schedules, shown in the Attachment to this Resolution; and
2. The Executive Officer is authorized to transmit the Water Board's 2008 Integrated Report revisions, including the revised 303(d) List, and other supporting information to the State Water Board for its consideration and approval.

I, Gerard J. Thibeault, Executive Officer, do hereby certify that the foregoing is a full, true, and correct copy of a resolution adopted by the California Regional Water Quality Control Board, Santa Ana Region, on October 23, 2009.

  
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Gerard J. Thibeault  
Executive Officer

**Attachment to**  
**Resolution No. R8-2009-0062**

**Table 1**

**Category 2 List of Water Bodies**  
**(Some Uses Fully Supported, but Insufficient Data to**  
**Assess All Uses)**

<b>Name of Water body as Listed in CALWQA</b>	<b>Beneficial Use Assessed and Fully Supported</b>	<b>Water Quality Indicators Assessed</b>
Bonita Creek	Aquatic Life	Chlorpyrifos, Malathion
Borrego Creek (from Irvine Blvd up to State Route 241)	Aquatic Life	Ammonia (unionized), temperature, pH
Crystal Cove State Park	Body Contact Recreation	Enterococcus, Fecal coliform and Total Coliform
Day Creek	Aquatic Life	pH
	Drinking water supply	Boron
Goldenstar Creek	Body Contact Recreation	E. coli
Hole Lake	Body Contact Recreation	E. coli
	Aquatic Life	pH
Huntington City Beach	Body Contact Recreation	Enterococcus, Fecal coliform, Total coliform
Mill Creek, Prado Area	Aquatic Life, Body Contact Recreation	Aluminum, Chromium, Mercury, Selenium
Morning Canyon Creek	Aquatic Life	Ammonia (unionized), temperature, pH
	Body Contact Recreation	E. coli
San Sevaine Channel	Aquatic life	Total nitrogen, pH

Name of Water body as Listed in CALWQA	Beneficial Use Assessed and Fully Supported	Water Quality Indicators Assessed
San Timoteo Creek Reach 3 (Yucaipa Creek to headwaters)	Aquatic Life	1,1,2,2-Tetrachloroethane   1,1,2-Trichloroethane   1,2,4-Trichlorobenzene   1,2-Dichloroethane   1,2-Dichloropropane   2,4,6-Trichlorophenol   2,4-Dichlorophenol   2,4-Dinitrophenol   2,4-Dinitrotoluene   2,6-Dinitrotoluene   2-Chloronaphthalene   2-Nitrophenol   4-Nitrophenol   Acenaphthene   Aldrin   Butyl benzyl phthalate   Carbon Disulfide   Chlorobenzene (mono)   Chloroform   DDT   Dichlorobenzene (mixed isomers)   Dieldrin   Diethyl phthalate   Endosulfan   Endrin   Heptachlor epoxide   Hexachlorobenzene/ HCB   Hexachlorobutadiene   Hexachlorocyclopentadiene   Hexachloroethane   Methoxychlor   Naphthalene   Nitrobenzene   Pentachlorophenol\Phenol   Tetrachloroethylene/PCE   Toxaphene
Santa Ana Delhi Channel	Aquatic Life	Ammonia (unionized), temperature, pH
	Body Contact Recreation	E. Coli
Santa Ana River, Reach 2	Aquatic Life	Alachlor, Atrazine, Azinphos-methyl (Guthion), Carbaryl, Carbofuran, Chlorpyrifos, DDE, Diazinon, Dieldrin, Disulfoton, Malathion, Methyl Parathion, Molinate, Simazine, Thiobencarb/Bolero
	Body Contact Recreation	E. Coli
Santa Ana River, Reach 5	Aquatic Life	Alachlor, Atrazine, Azinphos-methyl (Guthion), Carbaryl, Carbofuran, Chlorpyrifos, DDE, Diazinon, Dieldrin, Disulfoton, Malathion, Methyl Parathion, Molinate, Simazine, Thiobencarb/Bolero
Santiago Creek Reach 1	Body Contact Recreation	E. Coli
Santiago Creek Reach 4	Body Contact Recreation	E. Coli
Sunset Beach	Body Contact Recreation	Enterococcus, Fecal coliform, Total coliform
Temescal Creek, Reach 6 (Elsinore groundwater subbasin boundary to Lake Elsinore outlet)	Body Contact Recreation	E. Coli

**Table 2**

**Category 3 List of Water Bodies  
(Insufficient Data to Make Use Determination)**

<b>Name of Water body as Listed in CALWQA</b>	<b>Beneficial Use Assessed</b>	<b>Water Quality Indicators Assessed</b>
Chino Creek Reach 1a (Santa Ana River R3 confl to just downstream of confl with Mill Creek)	Aquatic Life	Pesticides: Alachlor, Atrazine, Azinphos- methyl (Guthion), Carbaryl, Carbofuran, Chlorpyrifos, DDE, Hexachlorobenzene/ HCB, Malathion, Methyl Parathion, Molinate, Simazine, Thiobencarb/Bolero
Newport Bay (Turning Basin and South Lido Channel to east end of H-J Moorings)	Aquatic Life	Copper, Mercury, Zinc

### **Table 3**

#### **Category 4 List of Water Bodies (one or more uses not supported; no TMDL required or has been established for ALL water body pollutants)**

No water bodies on Category 4.

**Table 4**

**Category 5 Water Bodies**  
**PROPOSED SECTION 303(D) LIST OF IMPAIRED WATERS**

<b>Name of Water body as Listed in CALWQA</b>	<b>Beneficial Use</b>	<b>Pollutant(s)</b>	<b>TMDL Schedule  (As soon as possible but no later than the year specified)</b>
Bolsa Chica Channel	Aquatic Life	Ammonia (unionized)	2021
Borrego Creek (from Irvine Blvd to San Diego Creek Reach 2)	Aquatic Life	Ammonia (unionized)	2021
Chino Creek Reach 1B (Mill Creek confl to start of concrete lined channel)	Aquatic Life	COD	2021
Chino Creek Reach 2 (Beginning of concrete channel to confl w San Antonio Creek)	Aquatic Life	pH	2021
City Creek	Aquatic Life	Cadmium	2021
Cucamonga Creek (Valley Reach)	Aquatic Life	copper, zinc	2021
Cucamonga Creek Reach 2 (Mountain Reach)	Aquatic Life	pH	2021
East Gardengrove Wintersburg Channel	Aquatic Life	Ammonia (unionized)	2021

Name of Water body as Listed in CALWQA	Beneficial Use	Pollutant(s)	TMDL Schedule  (As soon as possible but no later than the year specified)
Lake Elsinore	Aquatic Life	Sediment toxicity	2021
Newport Slough	Body Contact Recreation	Enterococcus, fecal coliform, total coliform	<u>2021</u>
Peters Canyon Channel	Aquatic Life	pH	2021
Rathbone (Rathbun) Creek	Aquatic Life	Cadmium, copper	2021
San Antonio Creek	Aquatic Life	pH	2021
Santa Ana River Reach 3	Aquatic Life	Copper (wet season)	2021
Santa Ana River Reach 6	Aquatic Life	Cadmium	2021
Seal Beach	Body Contact Recreation	Enterococcus	2019
Serrano Creek	Aquatic Life	pH, ammonia (unionized)	2021
Temescal Creek Reach 1	Aquatic Life	pH	2021



**Table 5**

**Proposed Water bodies to be Delisted from the 303(d) List**

<b>Name of Water body as Listed in CALWQA</b>	<b>Pollutant(s)</b>	<b>Justification</b>
Big Bear Lake	Sedimentation/siltation	Incorrect listing
	Copper	Current data show standards met
Grout Creek	Metals	Incorrect use of <i>Corbicula</i> tissue data
Huntington Beach State Park	Enterococcus, Indicator bacteria	The exceedance rate of enterococcus, fecal and total coliform data does not result in a listing.
Knickerbocker Creek	Metals	Incorrect use of <i>Corbicula</i> tissue data
San Diego Creek, Reach 2	Metals (lead, chromium, arsenic, cadmium, silver, zinc, nickel)	The number of exceedances found does not meet the Listing Policy's criteria for listing

## **CALWQA WATER BODY TABLES**

## 2008 CALIFORNIA WATERS SUPPORTING SOME CALIFORNIA BENEFICIAL USES

## Core Beneficial Uses

Aquatic Life Support

Drinking Water Supply  
Fish Consumption  
Secondary Contact  
Shellfishing

## Applicable California Beneficial Uses

Cold Freshwater Habitat, Estuarine Habitat, Fish Migration, Fish Spawning, Freshwater Replenishment, Inland Saline Water Habitat, Limited Warmwater, Marine Habitat, Preservation of Areas of Special Biological Significance, Preservation of Rare & Endangered Species, Warm Freshwater Habitat, Wetland Habitat, Wildlife Habitat  
Municipal & Domestic Supply  
Commercial or recreational collection of fish, shellfish, or organisms, Subsistence Fishing  
Non-Contact Recreation  
Shellfish Harvesting

Category 2 Criteria: 1) A water that supports some, but not all, of its California beneficial uses; and 2) has other uses that are not assessed or lack sufficient information to be assessed.

\* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> <u>Pollutant</u>	ESTIMATED AREA ASSESSED
8	Bonita Creek	Coastal & Bay Shoreline	80111000 / 18070201	→→ Aquatic Life Support	3.8 Miles
				→→ Warm Freshwater Habitat <u>Chlorpyrifos</u> <u>Malathion</u>	
8	Borrego Creek (from Irvine Blvd up to State Route 241)	Coastal & Bay Shoreline	80111000 / 18070201	→→ Aquatic Life Support	3 Miles
				→→ Warm Freshwater Habitat <u>Ammonia (Unionized)</u> <u>Temperature, water</u> <u>pH</u>	
Swimming					

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC		CORE BENEFICIAL USE <i>California Beneficial Use Pollutant</i>	ESTIMATED AREA ASSESSED
8	Crystal Cove State Park	Coastal & Bay Shoreline	80111000 / 18070201	--->>	<b>Water Contact Recreation</b> <u>Enterococcus</u> <u>Fecal Coliform</u> <u>Total Coliform</u>	2.4 Miles
				--->>	<b>Drinking Water Supply</b> <b>Municipal &amp; Domestic Supply</b> <u>Boron</u>	
8	Day Creek	River & Stream	80121000 / 18070203	--->>	<b>Aquatic Life Support</b> <b>Cold Freshwater Habitat</b> <u>pH</u>	15 Miles
				--->>	<b>Swimming</b> <b>Water Contact Recreation</b> <u>Escherichia coli (E. Coli)</u>	
8	Goldenstar Creek	River & Stream	80126000 / 18070203	--->>	<b>Aquatic Life Support</b> <b>Warm Freshwater Habitat</b> <u>Escherichia coli (E. Coli)</u>	2.4 Miles
				--->>	<b>Swimming</b> <b>Water Contact Recreation</b> <u>Escherichia coli (E. Coli)</u>	
8	Hole Lake	Lake & Reservoir	80126000 / 18070203	--->>	<b>Aquatic Life Support</b> <b>Warm Freshwater Habitat</b> <u>pH</u>	16 Acres

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use Pollutant</i>	ESTIMATED AREA ASSESSED
8	Huntington City Beach	Coastal & Bay Shoreline	80111000 / 18070201	-->> Swimming <i>Water Contact Recreation</i> <u>Enterococcus</u> <u>Fecal Coliform</u> <u>Total Coliform</u>	3.4 Miles
8	Morning Canyon Creek	River & Stream	80111000 / 18070201	-->> Swimming <i>Water Contact Recreation</i> <u>Escherichia coli (E. Coli)</u> -->> Aquatic Life Support <i>Warm Freshwater Habitat</i> <u>Ammonia (Unionized)</u> <u>Temperature, water</u> <u>pH</u>	1.1 Miles
8	Newport Beach	Coastal & Bay Shoreline	80114000 / 18070201	-->> Swimming <i>Water Contact Recreation</i> <u>Enterococcus</u> <u>Fecal Coliform</u> <u>Total Coliform</u>	4.1 Miles
8	San Sevaine Channel	River & Stream	80121000 / 18070203	-->> Aquatic Life Support <i>Warm Freshwater Habitat</i> <u>Total Nitrogen as N</u>	9.3 Miles
8	San Timoteo Creek Reach 3 (Yucaipa Creek to Headwaters)	River & Stream	80152000 / 18070202	-->> Aquatic Life Support <i>Wildlife Habitat</i> <u>1,1,2,2-Tetrachloroethane</u>	23 Miles

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> <u>Pollutant</u>	ESTIMATED AREA ASSESSED
				<u>1,1,2-Trichloroethane</u> <u>1,2,4-Trichlorobenzene</u> <u>1,2-Dichloroethane</u> <u>1,2-Dichloropropane</u> <u>2,4,6-Trichlorophenol</u> <u>2,4-Dichlorophenol</u> <u>2,4-Dinitrophenol</u> <u>2,4-Dinitrotoluene</u> <u>2,6-Dinitrotoluene</u> <u>2-Chloronaphthalene</u> <u>2-Nitrophenol</u> <u>4-Nitrophenol</u> <u>Acenaphthene</u> <u>Aldrin</u> <u>Butyl benzyl phthalate</u> <u>Carbon Disulfide</u> <u>Chlorobenzene (mono)</u> <u>Chloroform</u> <u>DDT</u> <u>(Dichlorodiphenyltrichloroethane)</u> <u>Dichlorobenzene (mixed</u> <u>isomers)</u> <u>Dieldrin</u> <u>Diethyl phthalate</u> <u>Endosulfan</u> <u>Endrin</u> <u>Heptachlor epoxide</u> <u>Hexachlorobenzene/ HCB</u> <u>Hexachlorobutadiene</u> <u>Hexachlorocyclopentadiene</u> <u>Hexachloroethane</u> <u>Methoxychlor</u> <u>Naphthalene</u> <u>Nitrobenzene</u> <u>Pentachlorophenol (PCP)</u>	

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> <u>Pollutant</u>	ESTIMATED AREA ASSESSED
				<u>Phenol</u> <u>Tetrachloroethylene/PCE</u> <u>Toxaphene</u>	
8	Santa Ana Delhi Channel	River & Stream	80111000 / 18070201	-->> <b>Aquatic Life Support</b> <b><i>Warm Freshwater Habitat</i></b> <u>Ammonia (Unionized)</u> <u>Escherichia coli (E. Coli)</u> <u>Temperature, water</u> <u>pH</u>	6.8 Miles
8	Santa Ana River, Reach 1	River & Stream	80111000 / 18070201	-->> <b>Secondary Contact</b> <b><i>Non-Contact Recreation</i></b> <u>Fecal Coliform</u>  -->> <b>Swimming</b> <b><i>Water Contact Recreation</i></b> <u>Fecal Coliform</u>	10 Miles
8	Santa Ana River, Reach 2	River & Stream	80113000 / 18070201	-->> <b>Swimming</b> <b><i>Water Contact Recreation</i></b> <u>Escherichia coli (E. Coli)</u>  -->> <b>Aquatic Life Support</b> <b><i>Warm Freshwater Habitat</i></b> <u>Alachlor</u> <u>Atrazine</u> <u>Azinphos-methyl (Guthion)</u> <u>Carbaryl</u> <u>Carbofuran</u>	20 Miles

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> <u>Pollutant</u>	ESTIMATED AREA ASSESSED
				<u>Chlorpyrifos</u> <u>DDE</u> <u>(Dichlorodiphenyldichloroethylene)</u> <u>Diazinon</u> <u>Dieldrin</u> <u>Disulfoton</u> <u>Malathion</u> <u>Methyl Parathion</u> <u>Molinate</u> <u>Simazine</u> <u>Thiobencarb/Bolero</u>	
				<b>Aquatic Life Support</b> <b>Warm Freshwater Habitat</b> <u>Alachlor</u> <u>Atrazine</u> <u>Azinphos-methyl (Guthion)</u> <u>Carbaryl</u> <u>Carbofuran</u> <u>Chlorpyrifos</u> <u>DDE</u> <u>(Dichlorodiphenyldichloroethylene)</u> <u>Diazinon</u> <u>Dieldrin</u> <u>Disulfoton</u> <u>Malathion</u> <u>Methyl Parathion</u> <u>Molinate</u> <u>Simazine</u> <u>Thiobencarb/Bolero</u>	
8	Santa Ana River, Reach 5	River & Stream	80152000 / 18070203	<b>Swimming</b>	52 Miles



REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC		CORE BENEFICIAL USE <i>California Beneficial Use</i> <u>Pollutant</u>	ESTIMATED AREA ASSESSED
8	Santiago Creek, Reach 1	River & Stream	80111000 / 18070203	-->>	<b>Water Contact Recreation</b> <u>Escherichia coli (E. Coli)</u>	17 Miles
8	Sunset Beach	Coastal & Bay Shoreline	80111000 / 18070201	-->>	Swimming <b>Water Contact Recreation</b> <u>Enterococcus</u> <u>Fecal Coliform</u> <u>Total Coliform</u>	1.9 Miles
8	Temescal Creek, Reach 6 (Elsinore Groundwater sub basin boundary to Lake Elsinore Outlet)	River & Stream	80135000 / 18070202	-->>	Swimming <b>Water Contact Recreation</b> <u>Escherichia coli (E. Coli)</u>	5.4 Miles

## 2008 CALIFORNIA WATERS WITH INSUFFICIENT INFORMATION TO ASSESS BENEFICIAL USES\*

## Core Beneficial Uses

## Applicable California Beneficial Uses

Aquatic Life Support

Cold Freshwater Habitat, Estuarine Habitat, Fish Migration, Fish Spawning, Freshwater Replenishment, Inland Saline Water Habitat, Limited Warmwater, Marine Habitat, Preservation of Areas of Special Biological Significance, Preservation of Rare &amp; Endangered Species, Warm Freshwater Habitat, Wetland Habitat, Wildlife Habitat

Drinking Water Supply

Municipal &amp; Domestic Supply

Fish Consumption

Commercial or recreational collection of fish, shellfish, or organisms, Subsistence Fishing

Secondary Contact

Non-Contact Recreation

Shellfishing

Shellfish Harvesting

**Category 3 Criteria:** A water with water quality information that could not be used for an assessment, for reasons such as: monitoring data have poor quality assurance, not enough samples in a dataset, no existing numerical objective or evaluation guideline, the information alone cannot support an assessment, etc.

\* Waters completely lacking water quality information are considered "not assessed". These waters are summarized at the end of this list.

\*\* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

REGION	WATER BODY NAME	WATER TYPE	WATERSHED** CALWATER / USGS HUC	CORE BENEFICIAL USE		ESTIMATED AREA ASSESSED
				California Beneficial Use	Pollutant	
8	Chino Creek Reach 1A (Santa Ana River R5 confl to just downstream of confl with Mill Creek)	River & Stream	80121000 / 18070203	Aquatic Life Support Warm Freshwater Habitat	Alachlor	0.79 Miles
					Atrazine	
					Azinphos-methyl	
					(Guthion)	
					Carbaryl	
					Carbofuran	
					Chlorpyrifos	
					DDE	
					(Dichlorodiphenyldichloroethylene)	
					Diazinon	
8	Chino Creek Reach 1A (Santa Ana River R5 confl to just downstream of confl with Mill Creek)	River & Stream	80121000 / 18070203	Aquatic Life Support Warm Freshwater Habitat	Hexachlorobenzene/	0.79 Miles
					HCB	

REGION	WATER BODY NAME	WATER TYPE	WATERSHED** CALWATER / USGS HUC	CORE BENEFICIAL USE <i>California Beneficial Use</i> <u>Pollutant</u>	ESTIMATED AREA ASSESSED
				<u>Malathion</u> <u>Methyl Parathion</u> <u>Molinate</u> <u>Simazine</u> <u>Thiobencarb/Bolero</u>	
				<b>Aquatic Life Support</b> <b><i>Marine Habitat</i></b> <u>Copper (sediment)</u> <u>Mercury (sediment)</u> <u>Zinc (sediment)</u>	
8	Newport Bay, Lower (Turning Basin and South Lido Channel to east end of H-J Moorings)	Bay & Harbor	80114000 / 18070201	-->>	133 Acres

**2008 CALIFORNIA LIST OF WATER QUALITY LIMITED SEGMENTS  
BEING ADDRESSED BY USEPA APPROVED TMDLS**

**Category 4A Criteria:** 1) A water segment where ALL its 303(d) listings are being addressed; and 2) at least one of those listings is being addressed by a USEPA approved TMDL.

\* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

\*\* "Addressed By" is defined as: B = Being addressed by USEPA approved TMDL and C = Being addressed by action(s) other than a TMDL

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	<u>POLLUTANT</u> POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED AREA	FIRST YEAR ASSESSED LISTED	ADDRESSED BY**	USEPA TMDL APPROVAL DATE
8	San Diego Creek Reach 2	River & Stream	80111000 / 18070201	<u>Nutrients</u>				
				--> Agriculture				
				--> Groundwater				
				Loadings				
				--> Urban	6.3 Miles	1996	B	1999
				Runoff/Storm Sewers				
				<u>Sedimentation/Siltation</u>				
				--> Agriculture				
				--> Channel Erosion				
				--> Construction/Land				
				Development	6.3 Miles	1996	B	1999
				--> Erosion/Siltation				
				<u>Unknown Toxicity</u>				
				--> Unknown				
				Nonpoint Source	6.3 Miles	1996	B	2004

## 2008 CALIFORNIA 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS\*

Category 5 criteria: 1) A water segment where standards are not met and a TMDL is required, but not yet completed, for at least one of the pollutants being listed for this segment.

\* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

\*\* TMDL requirement status definitions for listed pollutants are: A= TMDL still required, B= being addressed by USEPA approved TMDL, C= being addressed by action other than a TMDL

\*\*\* Dates relate to the TMDL requirement status, so a date for A= TMDL scheduled completion date, B= Date USEPA approved TMDL, and C= Completion date for action other than a TMDL

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA YEAR ASSESSED LISTED	TMDL REQUIREMENT STATUS**	DATE***
8	Anaheim Bay	Bay & Harbor	80111000 / 1.80702e	<u>Dieldrin (tissue)</u> -->> Source Unknown  <i>This listing was made by USEPA.</i>	402 Acres	2006	5A
				<u>Nickel</u> -->> Source Unknown  <i>This listing was made by USEPA.</i>	402 Acres	2002	5A
				<u>PCBs (Polychlorinated biphenyls) (tissue)</u> -->> Source Unknown  <i>This listing was made by USEPA.</i>	402 Acres	2002	5A
				<u>Sediment Toxicity</u> -->> Source Unknown  <i>This listing was made by USEPA.</i>	402 Acres	2006	5A

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	FIRST YEAR REQUIREMENT	TMDL STATUS**	DATE***
8	Balboa Beach	Coastal & Bay Shoreline	80114000 / 18070201	<u>DDT</u> <u>(Dichlorodiphenyltrichloroethane)</u> -->> Source Unknown	1.8 Miles	2006	5A	2019
				<u>Dieldrin</u> -->> Source Unknown	1.8 Miles	2006	5A	2019
				<u>PCBs (Polychlorinated biphenyls)</u> -->> Source Unknown	1.8 Miles	2006	5A	2019
8	Big Bear Lake	Lake & Reservoir	80171000 / 18070203	<u>Mercury</u> -->> Resource Extraction	2865 Acres	1994	5A	2007
				<u>Noxious aquatic plants</u> -->> Construction/Land Development				
				-->> Unknown Nonpoint Source	2865 Acres	1994	5B	2007
				<u>Nutrients</u> -->> Construction/Land Development				
				-->> Snow skiing activities	2865 Acres	1994	5B	2007
				<u>PCBs (Polychlorinated biphenyls)</u>	2865 Acres	2006	5A	2019

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	TMDL YEAR REQUIREMENT STATUS**	DATE***
				-->> Source Unknown			
				-->> <u>Ammonia (Unionized)</u> Other Urban Runoff			
8	Bolsa Chica Channel	River & Stream	80111000 / 18070201	-->> Storm sewers -->> Surface Runoff -->> Unknown Nonpoint Source	5.1 Miles	2008	5A 2021
8	Bolsa Chica State Beach	Coastal & Bay Shoreline	80111000 / 18070201	-->> <u>Copper</u> Source Unknown  <i>This listing was made by USEPA.</i>	2.6 Miles	2002	5A 2019
				-->> <u>Nickel</u> Source Unknown  <i>This listing was made by USEPA.</i>	2.6 Miles	2002	5A 2019
8	Borrego Creek (from Irvine Blvd to San Diego Creek Reach 2)	River & Stream	80111000 / 18070203	-->> <u>Ammonia (Unionized)</u> Other Urban Runoff -->> Storm sewers -->> Surface Runoff -->> Unknown Nonpoint Source	3.2 Miles	2008	5A 2021

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA YEAR ASSESSED LISTED	TMDL REQUIREMENT DATE*** STATUS**
8	Buck Gully Creek	River & Stream	80111000 / 18070201	<u>Fecal Coliform</u>		
				Source Unknown	0.3 Miles 2002	5A 2019
				Listing is downstream of Pacific Coast Highway.		
				<u>Total Coliform</u>		
				Source Unknown	0.3 Miles 2002	5A 2019
				Listing is downstream of Pacific Coast Highway.		
8	Canyon Lake (Railroad Canyon Reservoir)	Lake & Reservoir	80211000 / 18070202	<u>Nutrients</u>		
				Nonpoint Source	453 Acres 1998	5B 2005
				<u>Pathogens</u>		
				Nonpoint Source	453 Acres 1998	5A 2006
8	Chino Creek Reach 1B (Mill Creek confl to start of concrete lined channel)	River & Stream	80121000 / 18070203	<u>Chemical oxygen demand (COD)</u>		
				Source Unknown	7 Miles 2008	5A 2021
8	Chino Creek Reach 2 (Beginning of concrete channel to confl w San Antonio Creek)	River & Stream	80121000 / 18070203	<u>Coliform Bacteria</u>		
				Unknown Nonpoint Source	2.5 Miles 1998	5B 2007
				<u>pH</u>		
				Source Unknown	2.5 Miles 2008	5A 2021



REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	YEAR REQUIRED	TMDL REQUIREMENT STATUS**	DATE***
8	City Creek	River & Stream	80152000 / 18070203	-->> <u>Cadmium</u> Source Unknown	14 Miles	2008	5A	2021
8	Cucamonga Creek Reach 1 (Valley Reach)	River & Stream	80121000 / 18070203	-->> <u>Coliform Bacteria</u> Unknown Nonpoint Source	9.6 Miles	1998	5B	2007
				-->> <u>Copper</u> Source Unknown	9.6 Miles	2008	5A	2021
				-->> <u>Zinc</u> Source Unknown	9.6 Miles	2008	5A	2021
8	Cucamonga Creek Reach 2 (Mountain Reach)	River & Stream	80124020 / 18070203	-->> <u>pH</u> Source Unknown	13 Miles	2008	5A	2021
8	East Garden Grove Wintersburg Channel	River & Stream	80111000 / 18070201	-->> <u>Ammonia (Unionized)</u> Source Unknown	2.9 Miles	2008	5A	2021
8	Elsinore, Lake	Lake & Reservoir	80231000 / 18070202	-->> <u>Nutrients</u> Unknown Nonpoint Source	2431 Acres	1994	5B	2005
				-->> <u>Organic Enrichment/Low Dissolved Oxygen</u> Unknown	2431 Acres	1994	5B	2005

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	FIRST YEAR	TMDL REQUIREMENT STATUS**	DATE***
				Nonpoint Source				
				PCBs (Polychlorinated biphenyls)				
				--> Source Unknown	2431 Acres	2006	5A	2019
				--> Sediment Toxicity				
				--> Source Unknown	2431 Acres	2008	5A	2021
				--> Unknown Toxicity				
				--> Source Unknown	2431 Acres	1994	5A	2007
8	Fulmor, Lake	Lake & Reservoir	80221000 / 18070202	--> Pathogens Unknown Nonpoint Source	4.2 Acres	1998	5A	2019
8	Grout Creek	River & Stream	80171000 / 18070203	--> Nutrients Unknown Nonpoint Source	3.5 Miles	1994	5A	2008
8	Huntington Beach State Park	Coastal & Bay Shoreline	80111000 / 18070201	--> PCBs (Polychlorinated biphenyls) Source Unknown	5.8 Miles	2006	5A	2019
8	Huntington Harbour	Bay & Harbor	80111000 / 18070201	--> Chlordane Source Unknown	221 Acres	2006	5A	2019
				Copper				

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA YEAR ASSESSED LISTED	TMDL REQUIREMENT STATUS**	DATE***
				-->> <b>Source Unknown</b>  <i>This listing was made by USEPA.</i>	<b>221 Acres</b>	<b>2002</b>	<b>5A</b>  <b>2019</b>
				-->> <b><u>Lead</u></b> <b>Source Unknown</b>	<b>221 Acres</b>	<b>2006</b>	<b>5A</b>  <b>2019</b>
				-->> <b><u>Nickel</u></b> <b>Source Unknown</b>	<b>221 Acres</b>	<b>2002</b>	<b>5A</b>  <b>2019</b>
				<i>This listing was made by USEPA.</i>			
				<b><u>PCBs (Polychlorinated biphenyls) (tissue)</u></b>			
				-->> <b>Source Unknown</b>	<b>221 Acres</b>	<b>2002</b>	<b>5A</b>  <b>2019</b>
				<i>This listing was made by USEPA.</i>			
				-->> <b><u>Pathogens</u></b> <b>Urban</b> <b>Runoff/Storm Sewers</b>	<b>221 Acres</b>	<b>1992</b>	<b>5A</b>  <b>2019</b>
				<i>The data shows that the impairment is focused at the 11th Street, Anderson Street Marina, Clubhouse Marina and Sunset Aquatic Park locations. These locations exceed mainly the enterococcus standard.</i>			
				-->> <b><u>Sediment Toxicity</u></b> <b>Source Unknown</b>	<b>221 Acres</b>	<b>2006</b>	<b>5A</b>  <b>2019</b>
				<b><u>Pathogens</u></b>			

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA YEAR ASSESSED LISTED	TMDL REQUIREMENT DATE*** STATUS**
8	Knickerbocker Creek	River & Stream	80171000 / 18070203	-->> Unknown Nonpoint Source	2 Miles 2006	5A 2005
For 2006, pathogens was moved by USEPA from the being addressed list back to the 303(d) list pending completion and USEPA approval of a TMDL.						
8	Los Trancos Creek (Crystal Cove Creek)	River & Stream	80111000 / 18070201	-->> <u>Fecal Coliform</u> Source Unknown	0.19 Miles 2006	5A 2019
Listing is downstream of Pacific Coast Highway.						
				-->> <u>Total Coliform</u> Source Unknown	0.19 Miles 2006	5A 2019
Listing is downstream of Pacific Coast Highway.						
8	Lytle Creek	River & Stream	80141000 / 18070203	-->> <u>Pathogens</u> Unknown Nonpoint Source	41 Miles 2006	5A 2019
8	Mill Creek Reach 1	River & Stream	80156000 / 18070203	-->> <u>Pathogens</u> Unknown Nonpoint Source	12 Miles 1998	5A 2019
8	Mill Creek Reach 2	River & Stream	80158000 / 18070203	-->> <u>Pathogens</u> Unknown	12 Miles 1998	5A 2019

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	FIRST YEAR REQUIREMENT	TMDL STATUS**	DATE***
<b>Nonpoint Source</b>								
8	Mountain Home Creek	River & Stream	80158000 / 18070203	→→ <u>Pathogens</u> Unknown Nonpoint Source	3.7 Miles	1998	5A	2019
8	Mountain Home Creek, East Fork	River & Stream	80158000 / 18070203	→→ <u>Pathogens</u> Unknown Nonpoint Source	5.1 Miles	1998	5A	2019
8	Newport Bay, Lower (entire lower bay, including Rhine Channel, Turning Basin and South Lido Channel to east end of H-J Moorings)	Bay & Harbor	80114000 / 18070201	→→ <u>Chlordane</u> Source Unknown	767 Acres	2006	5A	2019
				→→ <u>Copper</u> Source Unknown	767 Acres	2006	5A	2007
				→→ <u>DDT</u> (Dichlorodiphenyltrichloroethane) Source Unknown	767 Acres	1990	5A	2019
				→→ <u>Indicator Bacteria</u> Source Unknown	767 Acres		5B	2000
				<u>Nutrients</u>	767 Acres	1992	5B	1999

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	YEAR REQUIRED	TMDL REQUIREMENT STATUS**	DATE***
				-->> Source Unknown				
				<u>PCBs (Polychlorinated biphenyls)</u>				
				-->> Source Unknown	767 Acres	1990	5A	2019
				<u>Pesticides</u>				
				-->> Agriculture				
				-->> Contaminated				
				Sediments	767 Acres	1990	5B	2004
				<u>Sediment Toxicity</u>				
				-->> Source Unknown	767 Acres	2006	5A	2019
8	Newport Bay, Upper (Ecological Reserve)	Estuary	80111000 / 18070201	<u>Chlordane</u>				
				-->> Source Unknown	653 Acres	2006	5A	2019
				<u>Copper</u>				
				-->> Source Unknown	653 Acres	2006	5A	2007
				<u>DDT</u> <u>(Dichlorodiphenyltrichloroethane)</u>				
				-->> Source Unknown	653 Acres	2006	5A	2019
				<u>Indicator Bacteria</u>				
				-->> Source Unknown	653 Acres		5B	2000
				<u>Metals</u>				
				-->> Urban	653 Acres	1992	5A	2019

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED	YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE***	
				Runoff/Storm Sewers					
				<u>Nutrients</u>					
				--> Source Unknown	653 Acres	2006	5B	1999	
				<u>PCBs (Polychlorinated biphenyls)</u>					
				--> Source Unknown	653 Acres	2006	5A	2019	
				<u>Pesticides</u>					
				--> Agriculture					
				--> Unknown					
				Nonpoint Source	653 Acres	1992	5B	2004	
				<u>Sediment Toxicity</u>					
				--> Source Unknown	653 Acres	2006	5A	2019	
				<u>Sedimentation/Siltation</u>					
				--> Agriculture					
				--> Channel Erosion					
--> Construction/Land									
Development	653 Acres	2006	5B	1999					
--> Erosion/Siltation									
8	Newport Slough	River & Stream	80111000 / 18070201	<u>Enterococcus</u>					
				--> Source Unknown	1.3 Miles	2008	5A	2021	
				<u>Fecal Coliform</u>					
				--> Source Unknown	1.3 Miles	2008	5A	2021	
				<u>Total Coliform</u>					

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	TMDL YEAR REQUIREMENT STATUS**	DATE***	
				-->> Source Unknown	1.3 Miles	2008	5A	2021
8	Peters Canyon Channel	River & Stream	80111000 / 18070201	<u>DDT</u> <u>(Dichlorodiphenyltrichloroethane)</u> -->> Source Unknown	3 Miles	2006	5A	2019
				-->> <u>Toxaphene</u> Source Unknown	3 Miles	2006	5A	2019
				-->> <u>pH</u> Unknown				
				-->> Nonpoint Source Urban Runoff/Storm Sewers	3 Miles	2008	5A	2021
8	Prado Park Lake	Lake & Reservoir	80121000 / 18070203	-->> <u>Nutrients</u> Nonpoint Source	90 Acres	1998	5A	2019
				-->> <u>Pathogens</u> Nonpoint Source	90 Acres	1998	5B	2007
8	Rathbone (Rathbun) Creek	River & Stream	80171000 / 18070203	-->> <u>Cadmium</u> Source Unknown	4.7 Miles	2008	5A	2021
				-->> <u>Copper</u> Source Unknown	4.7 Miles	2008	5A	2021
				Nutrients				



REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	TMDL YEAR REQUIREMENT STATUS**	DATE***	
				-->> Snow skiing activities	4.7 Miles	1994	5A	2008
				-->> Unknown Nonpoint Source				
				-->> <u>Sedimentation/Siltation</u> Snow skiing activities				
				-->> Unknown Nonpoint Source	4.7 Miles	1994	5A	2006
8	Rhine Channel	Bay & Harbor	80114000 / 18070201	-->> <u>Copper</u> Source Unknown	20 Acres	2006	5A	2019
				-->> <u>Lead</u> Source Unknown	20 Acres	2006	5A	2019
				-->> <u>Mercury</u> Source Unknown	20 Acres	2006	5A	2019
				-->> <u>PCBs (Polychlorinated biphenyls)</u> Source Unknown	20 Acres	2006	5A	2019
				-->> <u>Sediment Toxicity</u> Source Unknown	20 Acres	2006	5A	2019
				-->> <u>Zinc</u> Source Unknown	20 Acres	2006	5A	2019

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	TMDL YEAR REQUIREMENT STATUS**	DATE***	
8	San Antonio Creek	River & Stream	80121000 / 18070203	-->> <u>pH</u> Source Unknown	23 Miles	2008	5A	2021
8	San Diego Creek Reach 1	River & Stream	80111000 / 18070201	-->> <u>Fecal Colliform</u> Other Urban Runoff -->> Urban Runoff/Storm Sewers	7.8 Miles	2002	5A	2019
				-->> <u>Nutrients</u> Source Unknown	7.8 Miles	1996	5B	1999
				-->> <u>Pesticides</u> Unknown Nonpoint Source	7.8 Miles	1990	5B	2004
				-->> <u>Sedimentation/Siltation</u> Source Unknown	7.8 Miles	1996	5B	1999
				-->> <u>Selenium</u> Source Unknown	7.8 Miles	2006	5A	2007
				-->> <u>Toxaphene</u> Source Unknown	7.8 Miles	2006	5A	2019
8	Santa Ana River Reach 6	River & Stream	80157000 / 18070203	-->> <u>Cadmium</u> Source Unknown	27 Miles	2008	5A	2021
				<u>Copper</u>				

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	YEAR REQUIREMENT STATUS**	TMDL REQUIREMENT STATUS**	DATE***
8	Santa Ana River, Reach 3	River & Stream	80121000 / 18070203	-->> Source Unknown  <i>The impairment is during the wet season only.</i>	26 Miles	2008	5A	2021
				-->> <u>Pathogens</u> Dairies	26 Miles	1994	5B	2007
8	Santa Ana River, Reach 4	River & Stream	80127000 / 18070203	-->> <u>Pathogens</u> Nonpoint Source	14 Miles	1994	5A	2019
8	Santiago Creek, Reach 4	River & Stream	80112000 / 18070203	-->> <u>Salinity/TDS/Chlorides</u> Source Unknown	9.8 Miles	1996	5A	2019
8	Seal Beach	Coastal & Bay Shoreline	80111000 / 18070201	-->> <u>Enterococcus</u> Urban Runoff/Storm Sewers  <i>Impaired 50 yards around drain at 1st Street.</i>	0.53 Miles	2002	5A	2019
				-->> <u>PCBs (Polychlorinated biphenyls)</u> Source Unknown	0.53 Miles	2006	5A	2019
8	Serrano Creek	River & Stream	80111000 / 18070201	-->> <u>Ammonia (Unionized)</u> Source Unknown  <u>pH</u>	7.2 Miles	2008	5A	2021

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	TMDL YEAR REQUIREMENT STATUS**	DATE***	
				-->> Source Unknown	7.2 Miles	2008	5A	2021
8	Silverado Creek	River & Stream	80112000 / 18070203	-->> <u>Pathogens</u> Unknown Nonpoint Source	11 Miles	1998	5A	2019
				-->> <u>Salinity/TDS/Chlorides</u> Unknown Nonpoint Source	11 Miles	1996	5A	2019
8	Summit Creek	River & Stream	80171000 / 18070203	-->> <u>Nutrients</u> Construction/Land Development	1.5 Miles	1998	5A	2008
8	Temescal Creek, Reach 1	River & Stream	80125000 / 18070203	-->> <u>pH</u> Source Unknown	2.3 Miles	2008	5A	2021

## 2008 CALIFORNIA 303(d) LIST OF WATER QUALITY LIMITED SEGMENTS\*

Category 5 criteria: 1) A water segment where standards are not met and a TMDL is required, but not yet completed, for at least one of the pollutants being listed for this segment.

\* USGS HUC = US Geological Survey Hydrologic Unit Code. Calwater = State Water Resources Control Board hydrological subunit area or even smaller planning watershed.

\*\* TMDL requirement status definitions for listed pollutants are: A= TMDL still required, B= being addressed by USEPA approved TMDL, C= being addressed by action other than a TMDL

\*\*\* Dates relate to the TMDL requirement status, so a date for A= TMDL scheduled completion date, B= Date USEPA approved TMDL, and C= Completion date for action other than a TMDL

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA YEAR ASSESSED LISTED	TMDL REQUIREMENT STATUS**	DATE***
8	Anaheim Bay	Bay & Harbor	80111000 / 1.80702e	<u>Dieldrin (tissue)</u> -->> Source Unknown  <i>This listing was made by USEPA.</i>	402 Acres	2006	5A
				<u>Nickel</u> -->> Source Unknown  <i>This listing was made by USEPA.</i>	402 Acres	2002	5A
				<u>PCBs (Polychlorinated biphenyls) (tissue)</u> -->> Source Unknown  <i>This listing was made by USEPA.</i>	402 Acres	2002	5A
				<u>Sediment Toxicity</u> -->> Source Unknown  <i>This listing was made by USEPA.</i>	402 Acres	2006	5A

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	FIRST YEAR REQUIREMENT	TMDL STATUS**	DATE***
8	Balboa Beach	Coastal & Bay Shoreline	80114000 / 18070201	<u>DDT</u> <u>(Dichlorodiphenyltrichloroethane)</u> -->> Source Unknown	1.8 Miles	2006	5A	2019
				<u>Dieldrin</u> -->> Source Unknown	1.8 Miles	2006	5A	2019
				<u>PCBs (Polychlorinated biphenyls)</u> -->> Source Unknown	1.8 Miles	2006	5A	2019
8	Big Bear Lake	Lake & Reservoir	80171000 / 18070203	<u>Mercury</u> -->> Resource Extraction	2865 Acres	1994	5A	2007
				<u>Noxious aquatic plants</u> -->> Construction/Land Development				
				-->> Unknown Nonpoint Source	2865 Acres	1994	5B	2007
				<u>Nutrients</u> -->> Construction/Land Development				
				-->> Snow skiing activities	2865 Acres	1994	5B	2007
				<u>PCBs (Polychlorinated biphenyls)</u>	2865 Acres	2006	5A	2019

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	TMDL YEAR REQUIREMENT STATUS**	DATE***
				-->> Source Unknown			
				-->> <u>Ammonia (Unionized)</u> Other Urban Runoff			
8	Bolsa Chica Channel	River & Stream	80111000 / 18070201	-->> Storm sewers -->> Surface Runoff -->> Unknown Nonpoint Source	5.1 Miles	2008	5A 2021
8	Bolsa Chica State Beach	Coastal & Bay Shoreline	80111000 / 18070201	-->> <u>Copper</u> Source Unknown  This listing was made by USEPA.	2.6 Miles	2002	5A 2019
				-->> <u>Nickel</u> Source Unknown  This listing was made by USEPA.	2.6 Miles	2002	5A 2019
8	Borrego Creek (from Irvine Blvd to San Diego Creek Reach 2)	River & Stream	80111000 / 18070203	-->> <u>Ammonia (Unionized)</u> Other Urban Runoff -->> Storm sewers -->> Surface Runoff -->> Unknown Nonpoint Source	3.2 Miles	2008	5A 2021

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	YEAR	TMDL REQUIREMENT STATUS**	DATE***
8	Buck Gully Creek	River & Stream	80111000 / 18070201	<u>Fecal Colliform</u>				
				-->> Source Unknown	0.3 Miles	2002	5A	2019
				Listing is downstream of Pacific Coast Highway.				
				<u>Total Colliform</u>				
				-->> Source Unknown	0.3 Miles	2002	5A	2019
Listing is downstream of Pacific Coast Highway.								
8	Canyon Lake (Railroad Canyon Reservoir)	Lake & Reservoir	80211000 / 18070202	<u>Nutrients</u>				
				-->> Nonpoint Source	453 Acres	1998	5B	2005
				<u>Pathogens</u>				
				-->> Nonpoint Source	453 Acres	1998	5A	2006
8	Chino Creek Reach 1A (Santa Ana River R5 confl to just downstream of confl with Mill Creek)	River & Stream	80121000 / 18070203	<u>Nutrients</u>				
				-->> Agriculture	0.79 Miles	2008	5A	2019
				<u>Pathogens</u>				
				-->> Agriculture				
				-->> Dairies				
				-->> Urban	0.79 Miles	2008	5B	2007
				Runoff/Storm Sewers				
<u>Chemical oxygen demand</u>								



REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE***
8	Chino Creek Reach 1B (Mill Creek confl to start of concrete lined channel)	River & Stream	80121000 / 18070203	(COD) -->> Source Unknown	7 Miles	2008	5A	2021
				Nutrients -->> Agriculture	7 Miles	2008	5A	2019
				Pathogens -->> Agriculture -->> Dairies -->> Urban Runoff/Storm Sewers	7 Miles	2008	5B	2007
8	Chino Creek Reach 2 (Beginning of concrete channel to confl w San Antonio Creek)	River & Stream	80121000 / 18070203	Coliform Bacteria -->> Unknown Nonpoint Source	2.5 Miles	1998	5B	2007
				pH -->> Source Unknown	2.5 Miles	2008	5A	2021
8	City Creek	River & Stream	80152000 / 18070203	Cadmium -->> Source Unknown	14 Miles	2008	5A	2021
8	Cucamonga Creek Reach 1 (Valley Reach)	River & Stream	80121000 / 18070203	Coliform Bacteria -->> Unknown Nonpoint Source	9.6 Miles	1998	5B	2007
				Copper	9.6 Miles	2008	5A	2021

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA YEAR ASSESSED LISTED	TMDL REQUIREMENT STATUS**	DATE***	
				-->> <b>Source Unknown</b>				
				-->> <b><u>Zinc</u></b> <b>Source Unknown</b>	<b>9.6 Miles</b>	<b>2008</b>	<b>5A</b>	<b>2021</b>
8	Cucamonga Creek Reach 2 (Mountain Reach)	River & Stream	80124020 / 18070203	-->> <b><u>pH</u></b> <b>Source Unknown</b>	<b>13 Miles</b>	<b>2008</b>	<b>5A</b>	<b>2021</b>
8	East Garden Grove Wintersburg Channel	River & Stream	80111000 / 18070201	-->> <b><u>Ammonia (Unionized)</u></b> <b>Source Unknown</b>	<b>2.9 Miles</b>	<b>2008</b>	<b>5A</b>	<b>2021</b>
8	Elsinore, Lake	Lake & Reservoir	80231000 / 18070202	-->> <b><u>Nutrients</u></b> <b>Unknown</b> <b>Nonpoint Source</b>	<b>2431 Acres</b>	<b>1994</b>	<b>5B</b>	<b>2005</b>
				-->> <b><u>Organic Enrichment/Low Dissolved Oxygen</u></b> <b>Unknown</b> <b>Nonpoint Source</b>	<b>2431 Acres</b>	<b>1994</b>	<b>5B</b>	<b>2005</b>
				-->> <b><u>PCBs (Polychlorinated biphenyls)</u></b> <b>Source Unknown</b>	<b>2431 Acres</b>	<b>2006</b>	<b>5A</b>	<b>2019</b>
				-->> <b><u>Sediment Toxicity</u></b> <b>Source Unknown</b>	<b>2431 Acres</b>	<b>2008</b>	<b>5A</b>	<b>2021</b>
				<b><u>Unknown Toxicity</u></b>	<b>2431 Acres</b>	<b>1994</b>	<b>5A</b>	<b>2007</b>

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA YEAR ASSESSED LISTED	TMDL REQUIREMENT DATE*** STATUS**	
				-->> Source Unknown			
8	Fulmor, Lake	Lake & Reservoir	80221000 / 18070202	-->> <u>Pathogens</u> Unknown Nonpoint Source	4.2 Acres	1998	5A 2019
8	Grout Creek	River & Stream	80171000 / 18070203	-->> <u>Nutrients</u> Unknown Nonpoint Source	3.5 Miles	1994	5A 2008
8	Huntington Beach State Park	Coastal & Bay Shoreline	80111000 / 18070201	-->> <u>PCBs (Polychlorinated biphenyls)</u> Source Unknown	5.8 Miles	2006	5A 2019
8	Huntington Harbour	Bay & Harbor	80111000 / 18070201	-->> <u>Chlordane</u> Source Unknown	221 Acres	2006	5A 2019
				-->> <u>Copper</u> Source Unknown	221 Acres	2002	5A 2019
				This listing was made by USEPA.			
				-->> <u>Lead</u> Source Unknown	221 Acres	2006	5A 2019
				<u>Nickel</u>	221 Acres	2002	5A 2019

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	YEAR REQUIREMENT	TMDL STATUS**	DATE***
				-->> <b>Source Unknown</b>				
				<i>This listing was made by USEPA.</i>				
				<b><u>PCBs (Polychlorinated biphenyls) (tissue)</u></b>				
				-->> <b>Source Unknown</b>	<b>221 Acres</b>	<b>2002</b>	<b>5A</b>	<b>2019</b>
				<i>This listing was made by USEPA.</i>				
				<b><u>Pathogens</u></b>				
				-->> <b>Urban Runoff/Storm Sewers</b>	<b>221 Acres</b>	<b>1992</b>	<b>5A</b>	<b>2019</b>
				<i>The data shows that the impairment is focused at the 11th Street, Anderson Street Marina, Clubhouse Marina and Sunset Aquatic Park locations. These locations exceed mainly the enterococcus standard.</i>				
				<b><u>Sediment Toxicity</u></b>				
				-->> <b>Source Unknown</b>	<b>221 Acres</b>	<b>2006</b>	<b>5A</b>	<b>2019</b>
				<b><u>Pathogens</u></b>				
				-->> <b>Unknown Nonpoint Source</b>	<b>2 Miles</b>	<b>2006</b>	<b>5A</b>	<b>2005</b>
				<i>For 2006, pathogens was moved by USEPA from the being addressed list back to the 303(d) list pending completion and USEPA approval of a TMDL.</i>				
				<b><u>Fecal Coliform</u></b>				

8

Knickerbocker Creek

River &  
Stream80171000 /  
18070203

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA YEAR ASSESSED LISTED	TMDL REQUIREMENT STATUS**	DATE***
8	Los Trancos Creek (Crystal Cove Creek)	River & Stream	80111000 / 18070201	-->> Source Unknown  <i>Listing is downstream of Pacific Coast Highway.</i>	0.19 Miles 2006	5A	2019
				-->> <u>Total Coliform</u> Source Unknown  <i>Listing is downstream of Pacific Coast Highway.</i>	0.19 Miles 2006	5A	2019
8	Lytle Creek	River & Stream	80141000 / 18070203	-->> <u>Pathogens</u> Unknown Nonpoint Source	41 Miles 2006	5A	2019
8	Mill Creek Reach 1	River & Stream	80156000 / 18070203	-->> <u>Pathogens</u> Unknown Nonpoint Source	12 Miles 1998	5A	2019
8	Mill Creek Reach 2	River & Stream	80158000 / 18070203	-->> <u>Pathogens</u> Unknown Nonpoint Source	12 Miles 1998	5A	2019
8	Mountain Home Creek	River & Stream	80158000 / 18070203	-->> <u>Pathogens</u> Unknown Nonpoint Source	3.7 Miles 1998	5A	2019
8	Mountain Home Creek, East	River &	80158000 /	-->> <u>Pathogens</u> Unknown	5.1 Miles 1998	5A	2019

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	TMDL REQUIREMENT STATUS**	DATE***	
	Fork	Stream	18070203	Nonpoint Source				
8	Newport Bay, Lower (entire lower bay, including Rhine Channel, Turning Basin and South Lido Channel to east end of H-J Moorings)	Bay & Harbor	80114000 / 18070201	--> <u>Chlordane</u> Source Unknown	767 Acres	2006	5A	2019
				--> <u>Copper</u> Source Unknown	767 Acres	2006	5A	2007
				--> <u>DDT</u> <u>(Dichlorodiphenyltrichloroethane)</u> Source Unknown	767 Acres	1990	5A	2019
				--> <u>Indicator Bacteria</u> Source Unknown	767 Acres		5B	2000
				--> <u>Nutrients</u> Source Unknown	767 Acres	1992	5B	1999
				--> <u>PCBs (Polychlorinated biphenyls)</u> Source Unknown	767 Acres	1990	5A	2019
				--> <u>Pesticides</u> Agriculture Contaminated	767 Acres	1990	5B	2004
				--> <u>Sediments</u>	767 Acres	1990	5B	2004

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	YEAR REQUIRED	TMDL REQUIREMENT STATUS**	DATE***
				<u>Sediment Toxicity</u>				
				-->> Source Unknown	767 Acres	2006	5A	2019
8	Newport Bay, Upper (Ecological Reserve)	Estuary	80111000 / 18070201	<u>Chlordane</u>				
				-->> Source Unknown	653 Acres	2006	5A	2019
				<u>Copper</u>				
				-->> Source Unknown	653 Acres	2006	5A	2007
				<u>DDT</u> <u>(Dichlorodiphenyltrichloroethane)</u>				
				-->> Source Unknown	653 Acres	2006	5A	2019
				<u>Indicator Bacteria</u>				
				-->> Source Unknown	653 Acres		5B	2000
				<u>Metals</u>				
				-->> Urban Runoff/Storm Sewers	653 Acres	1992	5A	2019
				<u>Nutrients</u>				
				-->> Source Unknown	653 Acres	2006	5B	1999
				<u>PCBs (Polychlorinated biphenyls)</u>				
				-->> Source Unknown	653 Acres	2006	5A	2019
				<u>Pesticides</u>				
				-->> Agriculture				
				-->> Unknown	653 Acres	1992	5B	2004

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE***
<b>Nonpoint Source</b>								
				<u>Sediment Toxicity</u>				
				-->> Source Unknown	653 Acres	2006	5A	2019
				<u>Sedimentation/Siltation</u>				
				-->> Agriculture				
				-->> Channel Erosion				
				-->> Construction/Land	653 Acres	2006	5B	1999
				-->> Development				
				-->> Erosion/Siltation				
<hr/>								
8	Newport Slough	River & Stream	80111000 / 18070201	<u>Enterococcus</u>				
				-->> Source Unknown	1.3 Miles	2008	5A	2021
				<u>Fecal Coliform</u>				
				-->> Source Unknown	1.3 Miles	2008	5A	2021
				<u>Total Coliform</u>				
				-->> Source Unknown	1.3 Miles	2008	5A	2021
<hr/>								
				<u>DDT</u>				
				(Dichlorodiphenyltrichloroethane)				
8	Peters Canyon Channel	River & Stream	80111000 / 18070201	-->> Source Unknown	3 Miles	2006	5A	2019
				<u>Toxaphene</u>				
				-->> Source Unknown	3 Miles	2006	5A	2019
				<u>pH</u>				



REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE***
				-->> Unknown Nonpoint Source -->> Urban Runoff/Storm Sewers	3 Miles	2008	5A	2021
8	Prado Park Lake	Lake & Reservoir	80121000 / 18070203	-->> <u>Nutrients</u> Nonpoint Source -->> <u>Pathogens</u> Nonpoint Source	90 Acres	1998	5A	2019
					90 Acres	1998	5B	2007
8	Rathbone (Rathbun) Creek	River & Stream	80171000 / 18070203	-->> <u>Cadmium</u> Source Unknown -->> <u>Copper</u> Source Unknown -->> <u>Nutrients</u> Snow skiing activities -->> Unknown Nonpoint Source -->> <u>Sedimentation/Siltation</u> Snow skiing activities -->> Unknown Nonpoint Source	4.7 Miles	2008	5A	2021
					4.7 Miles	2008	5A	2021
					4.7 Miles	1994	5A	2008
					4.7 Miles	1994	5A	2006

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED AREA ASSESSED	FIRST YEAR LISTED	TMDL REQUIREMENT STATUS**	DATE***
8	Rhine Channel	Bay & Harbor	80114000 / 18070201	-->> <u>Copper</u> Source Unknown	20 Acres	2006	5A	2019
				-->> <u>Lead</u> Source Unknown	20 Acres	2006	5A	2019
				-->> <u>Mercury</u> Source Unknown	20 Acres	2006	5A	2019
				-->> <u>PCBs (Polychlorinated biphenyls)</u> Source Unknown	20 Acres	2006	5A	2019
				-->> <u>Sediment Toxicity</u> Source Unknown	20 Acres	2006	5A	2019
				-->> <u>Zinc</u> Source Unknown	20 Acres	2006	5A	2019
8	San Antonio Creek	River & Stream	80121000 / 18070203	-->> <u>pH</u> Source Unknown	23 Miles	2008	5A	2021
8	San Diego Creek Reach 1	River & Stream	80111000 / 18070201	-->> <u>Fecal Coliform</u> Other Urban Runoff	7.8 Miles	2002	5A	2019
				-->> Urban Runoff/Storm Sewers  <u>Nutrients</u>	7.8 Miles	1996	5B	1999

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	FIRST YEAR REQUIREMENT	TMDL STATUS**	DATE***
				-->>> <b>Source Unknown</b>				
				-->>> <b><u>Pesticides</u></b> <b>Unknown</b> <b>Nonpoint Source</b>	<b>7.8 Miles</b>	<b>1990</b>	<b>5B</b>	<b>2004</b>
				-->>> <b><u>Sedimentation/Siltation</u></b> <b>Source Unknown</b>	<b>7.8 Miles</b>	<b>1996</b>	<b>5B</b>	<b>1999</b>
				-->>> <b><u>Selenium</u></b> <b>Source Unknown</b>	<b>7.8 Miles</b>	<b>2006</b>	<b>5A</b>	<b>2007</b>
				-->>> <b><u>Toxaphene</u></b> <b>Source Unknown</b>	<b>7.8 Miles</b>	<b>2006</b>	<b>5A</b>	<b>2019</b>
8	Santa Ana River Reach 6	River & Stream	80157000 / 18070203	-->>> <b><u>Cadmium</u></b> <b>Source Unknown</b>	<b>27 Miles</b>	<b>2008</b>	<b>5A</b>	<b>2021</b>
8	Santa Ana River, Reach 3	River & Stream	80121000 / 18070203	-->>> <b><u>Copper</u></b> <b>Source Unknown</b>  <i>The impairment is during the wet season only.</i>	<b>26 Miles</b>	<b>2008</b>	<b>5A</b>	<b>2021</b>
				-->>> <b><u>Pathogens</u></b> <b>Dairies</b>	<b>26 Miles</b>	<b>1994</b>	<b>5B</b>	<b>2007</b>
8	Santa Ana River, Reach 4	River &	80127000 /	<b><u>Pathogens</u></b>	<b>14 Miles</b>	<b>1994</b>	<b>5A</b>	<b>2019</b>

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT POTENTIAL SOURCES <i>Relevant Notes</i>	ESTIMATED FIRST AREA ASSESSED LISTED	TMDL YEAR REQUIREMENT STATUS**	DATE***
		Stream	18070203	Nonpoint Source			
8	Santiago Creek, Reach 4	River & Stream	80112000 / 18070203	<u>Salinity/TDS/Chlorides</u> Source Unknown	9.8 Miles	1996	5A 2019
8	Seal Beach	Coastal & Bay Shoreline	80111000 / 18070201	<u>Enterococcus</u> Urban Runoff/Storm Sewers  <i>Impaired 50 yards around drain at 1st Street.</i>	0.53 Miles	2002	5A 2019
				<u>PCBs (Polychlorinated biphenyls)</u> Source Unknown	0.53 Miles	2006	5A 2019
8	Serrano Creek	River & Stream	80111000 / 18070201	<u>Ammonia (Unionized)</u> Source Unknown	7.2 Miles	2008	5A 2021
				<u>pH</u> Source Unknown	7.2 Miles	2008	5A 2021
8	Silverado Creek	River & Stream	80112000 / 18070203	<u>Pathogens</u> Unknown Nonpoint Source	11 Miles	1998	5A 2019
				<u>Salinity/TDS/Chlorides</u> Unknown	11 Miles	1996	5A 2019

REGION	WATER BODY NAME	WATER TYPE	WATERSHED* CALWATER / USGS HUC	POLLUTANT		ESTIMATED FIRST AREA YEAR ASSESSED LISTED	TMDL REQUIREMENT DATE*** STATUS**
				POTENTIAL SOURCES	Relevant Notes		

### Nonpoint Source

8	Summit Creek	River & Stream	80171000 / 18070203	→	Nutrients Construction/Land Development	1.5 Miles	1998	5A	2008
8	Temescal Creek, Reach 1	River & Stream	80125000 / 18070203	→	pH Source Unknown	2.3 Miles	2008	5A	2021